## INTERNATIONAL SEARCH REPORT

national application No.
PCT/JP03/12911

|   | SIFICATION OF SUBJECT MATTER<br>Cl <sup>7</sup> H01L27/14, G01T1/20, H04N  | 5/335   |   |
|---|--|---|---|
| According to  | o International Patent Classification (IPC) or to both n   | national classification and IPC   |   |
|   | S SEARCHED   |   |   |
| Minimum do<br>Int.  | ocumentation searched (classification system followed C1 L27/14, G01T1/20, H04N5/3   | by classification symbols)<br>35  |   |
| Jitsu   | ion searched other than minimum documentation to the ayo Shinan Koho 1922–1996  Jitsuyo Shinan Koho 1971–2003  | Jitsuyo Shinan Toroku Koh   | o 1996–2003   |
|   | ata base consulted during the international search (name   | ne of data base and, where practicable, sea   | rch terms used)   |
| C. DOCU   | MENTS CONSIDERED TO BE RELEVANT  |   |   |
| Category*   | Citation of document, with indication, where a   | ppropriate, of the relevant passages  | Relevant to claim No.   |
| Y   | JP 2002-033467 A (Hamamatsu Kaisha),<br>31 January, 2002 (31.01.02),<br>Par. Nos. [0018] to [0034]<br>(Family: none)   | Photonics Kabushiki   | 1-4,7   |
| Y .   | JP 11-188033 A (Hamamatsu Ph<br>Kaisha),<br>13 July, 1999 (13.07.99),<br>Par. No. [0027]<br>(Family: none)   | notonics Kabushiki  | 1-4,7   |
| A   | JP 2000-028735 A (Hamamatsu Kaisha), 28 January, 2000 (28.01.00), Full text (Family: none)   | Photonics Kabushiki   | 1-7   |
| × Furthe  | r documents are listed in the continuation of Box C.   | See patent family annex.  | ,   |
| "A" documer consider date "L" documer cited to special r documer means documer than the | categories of cited documents:  nt defining the general state of the art which is not red to be of particular relevance ocument but published on or after the international filing  nt which may throw doubts on priority claim(s) or which is establish the publication date of another citation or other reason (as specified)  nt referring to an oral disclosure, use, exhibition or other  nt published prior to the international filing date but later priority date claimed  citual completion of the international search eccember, 2003 (25.12.03) | "T" later document published after the interpriority date and not in conflict with the understand the principle or theory understand the document of particular relevance; the considered to involve an inventive step combined with one or more other such combination being obvious to a person document member of the same patent for the same patent of the same patent | e application but cited to enlying the invention claimed invention cannot be ed to involve an inventive claimed invention cannot be when the document is documents, such skilled in the art amily |
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| Facsimile No.   |  |   |   |



| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT |   |                       |  |
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| А   | JP 06-196680 A (Hamamatsu Photonics Kabushiki<br>Kaisha),<br>15 July, 1994 (15.07.94),<br>Full text<br>(Family: none) | 1-7                   |  |
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